

PATENT ABSTRACTS OF JAPAN

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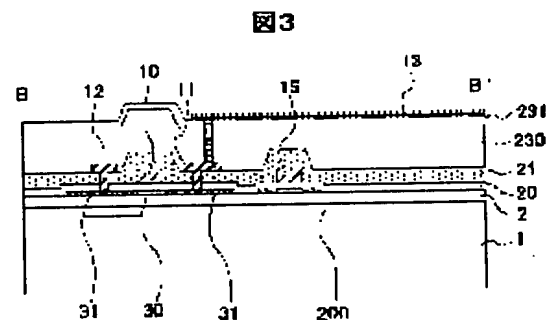
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(54) LIQUID CRYSTAL DISPLAY DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a liquid crystal display device having a high aperture ratio and showing less deterioration in the picture quality.

SOLUTION: A pixel electrode 13 and a signal line electrode 12 are overlapped with an insulating film in-between. As for the insulating film, the device has a porous silica film 230 having ≤ 2.5 dielectric constant and a protective insulating film 231 of a Si₃N₄ film, and this decreases the parasitic capacitance between the pixel electrode 13 and the signal line electrode 12 and prevents shadowing in an image due to the crosstalk of signals.



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